

**CONTRACT CHANGE ORDER MEMORANDUM**

DATE: 2/4/2014

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TO: Tony Anziano, Program Manager /		FILE: E.A. 04 - 0120F4		
FROM: Darryl Schram, Senior TE		CO-RTE-PM SF-80-13.2/13.9		
FED. NO. No				
CCO#: 355	SUPPLEMENT#: 0	Category Code: AXZZ	CONTINGENCY BALANCE (incl. this change) <b>\$27,770,333.42</b>	
COST: <b>\$2,686,311.00</b>		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: <b>\$0.00</b>		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: CIC Elevator Impacts - USA Hoist		PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE		
Original Contract Time: <b>2490</b> Day(s)	Time Adj. This Change: <b>DEF</b> Day(s)	Previously Approved CCO Time Adjustments: <b>501</b> Day(s)	Percentage Time Adjusted: (including this change) <b>20</b> %	Total # of Unreconciled Deferred Time CCO(s): (including this change) <b>30</b>

**THIS CHANGE ORDER PROVIDES FOR:**

•Credit for elevator installation in Bid Item 98 and Contract Change Orders (CCO) CCO 85 Elevator Details, CCO 203S2 Tower Elevator Extension, and CCO 275 Additional USA Hoist Elevator Details.

•As directed by the Engineer, revise access and working hours for elevator installation operations, due to changes in the character of work resulting after achieving Seismic Safety Opening (SSO) of the bridge.

Contract Change Order (CCO) 160 "East End Delay Impacts", Section 3 "Readiness for Seismic Safety Opening" established a Readiness for Seismic Safety Opening (SSO) date for opening the bridge to traffic of August 28, 2013. Section 3 of CCO 160 provides for and compensates the Contractor for the minimum amount of work required to be completed in order to achieve SSO while Section 4 of CCO 160 "Post Readiness for Seismic Safety Opening Work" provides for the remaining work to be completed after SSO. The Contractor met the SSO requirement set forth in CCO 160 and traffic was placed on the SAS Structure on September 3, 2013 as planned.

In completing the remainder of the Contract work, Section 4 recognized that the Order of Work specified for in Section 3 would have an effect on the post SSO work as well as recognized the potential changes in the character of the work associated with, amongst other things, the changed condition of having to complete the work under live traffic conditions. While Section 4 identified this concern, the inefficiencies and additional costs associated with the completion of the work under the changed conditions were deferred to a separate change order.

To address the post SSO changes in character of the work, additional costs, and inefficiencies for the remaining work multiple CCO's will be established to provide compensation to the Prime Contractor and each of the affected Subcontractor's. The following CCO's have been identified:

- CCO 342 "Traffic Lane Closures" provides only the revised traffic lane and shoulder closure specifications
- CCO 349 "Traffic Control/Construction Access" will address the additional costs associated with implementing traffic control and construction access measures,
- CCO 351 "Insurance" will address the Prime Contractor's additional insurance costs associated with the completion of the work under the changed condition,
- CCO 352 "Certified Coatings" will address the additional costs in completing painting of SAS structures including: tower, Orthotropic Box Girder (OBG), bikepath, etc.
- CCO 353 "Bleyco" will address the additional costs in completing the electrical work,
- CCO 354 "FW Spencer" will address the additional costs in completing the piping work,
- CCO 355 "USA Hoist" will address the additional costs in completing the tower elevator installation,
- CCO 356 "ABF" will address the additional costs incurred by the Prime Contractor to support all the remaining work.
- CCO 365 "Balance Dehumidification Systems" will address the additional costs to complete the dehumidification system.

This change order (CCO 355) will provide for post SSO impacts to elevator installation operations due to working at night, loss of OBG deck as staging area, additional safety precautions required for working over live traffic. Working at night will require premium labor time, lighting, daily mobilizations, and will result in inefficiencies.

Elevator installation will begin after SSO; therefore the installation portion of Bid Item 98- Elevator is change in character work and will be paid for at force account. All parties (Department, ABFJV, and USA Hoist) have agreed to provide a credit for the



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original contract installation work and installation work included in the following elevator change orders: CCO 85 Elevator Details, CCO 203S2 Tower Elevator Extension, and CCO 275 Additional USA Hoist Elevator Details. The Department reviewed escrowed bid documents for Bid Item 98 to determine an equitable credit for the original contract work.


Since the execution of CCO 160 the SAS risk register (3rd Quarter 2013) has included a risk to address the change in character of work performed after the SSO. The risk ID No. EEndM3 "Compensation for POST SSO" is carrying a range of \$1M to \$20M (50% Prob = \$9M). Schedule impacts resulting from this are included in a separate risk. Risk ID No. 1 "Schedule: Potential delay during construction - Post Seismic Safety Opening (SSO)" carries a range of \$21M to \$44M (50% Prob = \$32.3M) to address all risks to the schedule including these changes in character.

The total cost of this change order is (\$132,339.00) lump sum credit, (\$281,350.00) decrease in contract item, and \$3,100,000.00 force account for a total of \$2,686,311.00, which can be financed from the contingency fund. A detailed cost analysis is on file.

Consideration of a time adjustment will be deferred until completion of the work specified herein. Determination of a commensurate time adjustment will be made in accordance with Section 10-1.13, "PROGRESS SCHEDULE (CRITICAL PATH METHOD)" and Section 10-1.14, "TIME-RELATED OVERHEAD" of the Special Provisions, as well as Section 8-1.07, "LIQUIDATED DAMAGES", of the Standard Specifications.

This change order has concurrence from William Casey (Supervising TE), Tony Anziano (Program Manager), Rich Foley (HQ Oversight), and Lina Ellis (Maintenance).

Toll Bridge Program Oversight Committee (TBPOC) approved this change order on January 27, 2014, in the not to exceed amount of \$2,700,000.00.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer:	William Casey, Sup TE	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date 11/17/13	ITEMS	(\$281,350.00)
Project Engineer:	Date	FORCE ACCOUNT	\$3,100,000.00
Project Manager:	TB Program Manager, Tony Anzian Date 2/4/14	AGREED PRICE	\$0.00
FHWA Rep.:	Date	ADJUSTMENT	(\$132,339.00)
Environmental:	Date	TOTAL	\$2,686,311.00
Other (specify):	HQ, Rich Foley Date 11/19/13	FEDERAL PARTICIPATION	
Other (specify):	Struct. Maint, Lina Ellis Date 11/27/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:	Date	FEDERAL FUNDING SOURCE	PERCENT
 2-13-14			